

B² and to be set at voltage levels different from each other, the voltage levels mathematically predetermined therein effecting in the actual spraying process a totally controlled flow of material to the wall of a given target being treated/manufactured, e.g. for enabling the very above-mentioned fluctuations in material thickness. Depending on an article to be processed, it is also possible to provide the apparatus with a control unit, operating in principle e.g. according to a traditional, i.e. e.g. in a so-called electrostatic manner, such that the predetermined voltage levels in the treatment blocks of a mould are substantially constant through the entire spraying cycle. On the other hand, it is also possible to make said control unit dynamical, such that certain process parameters are changed continuously or with an on/off principle during the spraying cycle.

[Page 5 line 25-38, please amend the paragraph as follows:]

B³ In a further preferred application of the method, a three-dimensional, thin-walled article is manufactured by spraying a manufacturing material in the electrical field E to an open mould 2 set at an electric potential. In yet another preferred application of the method, the surface of said mould 2 is treated with surface-tension regulating surfactants, such as a polyolefine-based and/or a corresponding agent, especially for facilitating the removal/separation of a finished article from the mould 2. In a further preferred application, the surface tension of a material to be sprayed is adjusted relative to the surface tension of a mould to a level that results in a uniform, thin material thickness.

[Page 7 lines 31-38 through page 8 lines 1-2, please amend the paragraph as follows:]

B⁴ In a preferred embodiment, the apparatus comprises a mould 2, including two or more treatment blocks Li, for example, L₁, L₂, L₃, L₄, L₅ and L₆ shown in Fig. 2, whose voltage levels can be set to essentially differ from each other, and/or a control unit C for changing, during the spraying cycle II, one or more process parameters, such as the volume flow, viscosity, and/or the like of a manufacturing material or a component thereof, and/or the electrical field E, such as the voltage level in one or more treatment blocks Li of the mould 2.

In the Claims:

Please cancel claims 2, 11-12, 14, 16 and 20.